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ATE: Wednesday, October 01, 2003

<u>ide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L7	l5 and L6	4
<input type="checkbox"/>	L6	equisimilis	42
<input type="checkbox"/>	L5	hyaluron\$5 adj4 (synthase or synthetase)	43
		<i>DB=USOC; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L4	hyaluron\$5 adj4 (synthase or synthetase)	0
		<i>DB=USPT; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L3	L2 same l1	5
<input type="checkbox"/>	L2	equisimilis	102
<input type="checkbox"/>	L1	hyaluron\$5 adj4 (synthase or synthetase)	37

ND OF SEARCH HISTORY

FILE 'REGISTRY' ENTERED AT 10:41:11 ON 01 OCT 2003
STRUCTURE FILE UPDATES: 29 SEP 2003 HIGHEST RN 595542-94-2
DICTIONARY FILE UPDATES: 29 SEP 2003 HIGHEST RN 595542-94-2

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

E1 1 MRTLKMGJNLPKQOSQOEP
E2 1 MRTLKSNPSYGDNLHLSAQOEP
E3 0--> MRTLKMLTVAFSSQOEP
E4 2 MRTLKMLTVAFSSFWLLVNVVYLFQAKGSLSYGFLIAYLVEMSLSFFYKPFKGRAGQYKVAIIPSYNEDAESLLETLSVQOQOTYPLAEIYVDDGSADETGIKRIEDYVRDTGDLSSNVVHR
SEKNOGRHAQAWAFERSADYVLTVDSDTYVPDAALEELKTENDPTVFAATGHLVNRNQTULLTRISOEP
E5 1 MRTLKMLTVAFSSFWLLVNVVYLFQAKGSLSYGFLIAYLVEMSLSFFYKPFKGRAGQYKVAIIPSYNEDAESLLETLSVQOQOTYPLAEIYVDDGSADETGIKRIEDYVRDTGDLSSNVVHR
SEKNOGRHAQAWAFERSADYVLTVDSDTYVPDAALEELKTENDPTVFAATGHLVNRNQTULLTRISOEP
E6 42 MRTLKMLTVAFSSFWLLVNVVYLFQAKGSLSYGFLIAYLVEMSLSFFYKPFKGRAGQYKVAIIPSYNEDAESLLETLSVQOQOTYPLAEIYVDDGSADETGIKRIEDYVRDTGDLSSNVVHR
SEKNOGRHAQAWAFERSADYVLTVDSDTYVPDAALEELKTENDPTVFAATGHLVNRNQTULLTRISOEP
E7 1 MRTLKMLTVAFSSFWLLVNVVYLFQAKGSLSYGFLIAYLVEMSLSFFYKPFKGRAGQYKVAIIPSYNEDAESLLETLSVQOQOTYPLAEIYVDDGSADETGIKRIEDYVRDTGDLSSNVVHR
SEKNOGRHAQAWAFERSADYVLTVDSDTYVPDAALEELKTENDPTVFAATGHLVNRNQTULLTRISOEP
E8 1 MRTLKMLTVAFSSFWLLVNVVYLFQAKGSLSYGFLIAYLVEMSLSFFYKPFKGRAGQYKVAIIPSYNEDAESLLETLSVQOQOTYPLAEIYVDDGSADETGIKRIEDYVRDTGDLSSNVVHR
SEKNOGRHAQAWAFERSADYVLTVDSDTYVPDAALEELKTENDPTVFAATGHLVNRNQTULLTRISOEP
E9 2 MRTLKRPILLGAAWLATRALMLWILLTHERALLRGGSSEI/NLYRWGVLSHGTYPPAGDHLWQPPGAGPVLSPALLPALTYFOAFVWLTLDVAVIMFLARAGTRPGGRSLHGAAL
WTAGLEPLLLPLARYVOQVTAFAVISLTLTSRSPRACGAFPAAGALVKWPAALIGTPTGRTTRAWTSAATGISOEP
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YDLNPVMPYLTAGIAGSQIKLNNGLDDESKFRVGTAGAGLEAKLTDNLGRVEYRTQYSKNVYDLAGTTVRNKLISOEP
E12 1 MRTLKSLVISAALLPFSATFAADACICOPPPAPAVEIAPQSWAGGTGLYGVGNKAKTSTVGSIKPDDWKAGAFAGWNFQKQDIYVVEGDAGYSWAKSKDGLEVKOGFEGSLGARVY
YDLNPVMPYLTAGIAGSQIKLNNGLDDESKFRVGTAGAGLEAKLTDNLGRVEYRTQYSKNVYDLAGTTVRNKLISOEP

L1 47 S MRTLKMLTVAFSSQOEP

FILE 'CA' ENTERED AT 10:42:15 ON 01 OCT 2003
FILE COVERS 1907 - 25 Sep 2003 VOL 139 ISS 14
FILE LAST UPDATED: 25 Sep 2003 (20030925IED)

L2 5 S L1

L2 ANSWER 1 OF 5 CA COPYRIGHT 2003 ACS on STN
AN 13980184 CA
T1 Recombinant expression of bacterial hyaluronan synthase operon genes in *Bacillus* and hyaluronic acid production
IN Stone, Alan; Behr, Regine; Widner, William; Tang, Maria; Stenberg, David; Brown, Stephen
PA Novozymes Biotech, Inc., USA SO PCT Int. Appl., 218 pp. CODEN: PIXXD2
DT Patent LA English
FANCNT1 PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2003054163 A2 20030703 WO 2002JUS41067 20021220 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2003173902 A1 20030918 US 2002-326185 20021220
PRAIUS 2001-342644P P 20011221

L2 ANSWER 2 OF 5 CA COPYRIGHT 2003 ACS on STN
AN 13949116 CA

T1 Hyaluronan synthase mutants with altered enzymic activities
IN Weigel, Paul H.; Kumari, Kshama
PA USA

SO PCT Int. Appl., 363 pp. CODEN: PIXXD2

DT Patent

LA English

FANCNT 12 PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 2003048330 A2 20030612 WO 2002JUS8596 20021203 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2003173902 A1 20030918 US 2002-326185 20021220

A

KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, US 2003082780 A1 20030501 US 2001-11771 20011211
PRAI US 2001-336105P P 20011203 US 2001-11771 A2 20011211 US 1994-270581 B1 19940701 US 1997-64435P P 19971031 US 1998-146893 A2 19980903 US 1998-178851 B1 19981026 US 1999-469200 A1 19991221

L2 ANSWER 3 OF 5 CA COPYRIGHT 2003 ACS on STN

AN 138380406 CA

T1 Recombinant expression of bacterial hyaluronan synthase genes in *Bacillus* and hyaluronan acid production

IN Deangelis, Paul L.; Weigel, Paul H.; Kumari, Kshama

PA USA

SO U.S. Pat. Appl. Publ., 79 pp., Cont.-in-part of U.S. Ser. No. 469,200. CODEN: USXXCO

DT Patent

LA English

FANCNT 12 PATENT NO. KIND DATE APPLICATION NO. DATE
PI US 2003092118 A1 20030515 US 2002-172527 20020613 US 2002160489 A1 20021031 US 2001-879959 20010912 US 2003073221 A1 20030417 US 2001-11768 20011211 WO 2003060063 A2 20030724 WO 2002-1518915 20020613 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, BG, BR, RU, TJ, TM, RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 200313845 A1 20030619 US 2002-217613 20020812
PRAI US 1997-64435P P 19971031 US 1998-178851 B1 19981026 US 1999-469200 A2 19991221 US 2001-297744P P 20010613 US 2001-297788P P 20010613 US 1997-899040 B2 19970723 US 1999-283402 B1 19990401

L2 ANSWER 4 OF 5 CA COPYRIGHT 2003 ACS on STN

AN 130322336 CA

T1 A hyaluronan synthase gene of *Streptococcus equisimilis* and use of the enzyme in manufacture of hyaluronans

IN Weigel, Paul H.; Kumari, Kshama; Deangelis, Paul

PA The Board of Regents of the University of Oklahoma, USA

SO PCT Int. Appl., 125 pp. CODEN: PIXXD2

DT Patent

LA English

FANCNT 12 PATENT NO. KIND DATE APPLICATION NO. DATE
PI WO 9923227 A2 19990514 WO 1998-US23153 19981030 WO 9923227 A3 19990819 W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZM, AM, AZ, BY, BG, BR, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG CA 2307842 AA 19990514 CA 1998-2307842 19981030 AU 9913706 A1 19990524 AU 1999-13706 19981030 AU 762036 B2 20030619 EP 1025211 A2 20000809 EP 1998-957450 19981030 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI BR 9814834 A 20010717 BR 1998-14834 19981030 JP 2001521741 T2 20011113 JP 2000-519083 19981030 US 2002160489 A1 20021031 US 2001-879959 20010912 US 2003104533 A1 20030605 US 2002-117795 20020403 US 2003113845 A1 20030619 US 2002-217613 20020812
PRAI US 1997-899040 A 19970723 US 1997-64435P P 19971031 US 1998-178851 A 19981026 US 1994-270581 B1 19940701 WO 1998-US23153 W 19981030 US 1999-248309 B1 19990121 US 1999-283402 B1 19990401 US 1999-469200 A1 19991221 US 2000-559793 A1 20000427

L2 ANSWER 5 OF 5 CA COPYRIGHT 2003 ACS on STN

AN 128189737 CA

T1 Molecular cloning, expression, and characterization of the authentic hyaluronan synthase from group C *Streptococcus equisimilis*

AU Kumari, Kshama; Weigel, Paul H.

CS Department of Biochemistry and Molecular Biology, University of Oklahoma Health Sciences Center, Oklahoma City, OK, 73190, USA

SO Journal of Biological Chemistry (1997), 272(51), 32539-32546 CODEN: JBCHA3; ISSN: 0021-9258

PB American Society for Biochemistry and Molecular Biology

DT Journal

LA English

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